

EXHIBIT L

**UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK**

**In Re: Methyl Tertiary Butyl Ether ("MTBE")
Products Liability Litigation**

**Master File No. 1:00 – 1898
MDL 1358 (SAS)**

This Document relates to:

*City of New York v. Amerada Hess
Corp., et al., 04 Civ. 3417*

SUPPLEMENTAL EXPERT REPORT OF

THOMAS F. MAGUIRE, PG, LSP, LEP

Forensic Environmental Services, Inc.

113 John Robert Thomas Drive

Exton, PA 19341


Signature

6-1-09
Date

TABLE 6
Terry Rebuttal Analysis 1
2004-2008 Calibration Statistics

Target ID	Observed	Simulated	Residual
Well 45 6/04	<1	0.11	0.11
Well 45 8/05	10	5.33	-4.67
Well 45 8/05	<1	5.33	5.33
Well 45 2/07	<0.5	73.05	73.05
Well 45 3/07	0.22	87.64	87.42
Well 50 6/04	0.39	9.12	8.73
Well 50 9/05	14.22	27.34	13.12
Well 27 11/05	10	0.11	-9.89
Well 27 12/05	<1	0.11	0.11
Well 27 2/07	<0.5	0.1	0.1
Well 27 3/07	0.5	0.1	-0.4
Well 5 12/04	1.56	3.3	1.74
Well 5 12/05	1.09	3.42	2.33
Well 5 12/06	0.95	3.14	2.19
Well 5 9/07	<1	2.88	2.88
Well 6 7/04	<1	19.51	19.51
Well 6 11/06	0.78	27.13	26.35
Well 6A 6/04	<0.22	4.94	4.94
Well 6A 3/07	<0.5	8.84	8.84
Well 6B 6/04	4.8	1.06	-3.74
Well 6B 4/07	2.3	3.76	1.46
Well 6D 7/04	118	67.79	-50.21
Well 6D 2/07	126	53.11	-72.89
Well 6D 2/07 (pumping)	77	53.11	-23.89
Well 33 6/04	0.63J	12.52	11.89
Well 33 12/06	<0.22	413.37	413.37
Well 33 9/07	<1	364.14	364.14
Q-1840.1 4/04	0.50	0	-0.5
Q-3117.1 6/05	0.10	0	-0.1
Q-3160.1 4/04	0.10	0	-0.1
Q-3160.1 5/06	0.10	0	-0.1
Q-3163.2 3/04	0.50	0	-0.5
Q-3163.2 5/06	0.10	0	-0.1
Q-3165.1 4/04	0.3	208.2	207.9
Q-3165.1 5/06	0.1	624.7	624.6
Q-3165.1 7/08	<0.1	496.6	496.6
Q-3629.1 6/05	1.6	0	-1.6
Q-3629.1 7/08	0.6	96.1	95.5
Q-3658.1 6/05	<0.1	48	48
Q-3811.1 3/04	1.3	0	-1.3
Q-3811.1 5/06	<0.1	32	32
Q-3813.1 3/04	0.4	0	-0.4
Q-3988.1 5/06	0.5	64	63.5
Q-3988.1 8/08	0.1	32	31.9
Residual Mean			56.3
Absolute Residual Mean			64.0
Residual Standard Deviation			143.4
Max Residual			624.6
Min. Residual			-72.89
Observed Concentration Range			126
Mean Error (%)			44.7

TABLE 7
Terry Rebuttal Analysis 2C
2004-2008 Calibration Statistics

Target ID	Observed	Simulated	Residual
Well 45 6/04	<1	171.44	171.44
Well 45 8/05	10	85.7	75.7
Well 45 8/05	<1	85.7	85.7
Well 45 2/07	<0.5	75.21	75.21
Well 45 3/07	0.22	78.45	78.23
Well 50 6/04	0.39	20.46	20.07
Well 50 9/05	14.22	28.91	14.69
Well 27 11/05	10	117.24	107.24
Well 27 12/05	<1	102.49	102.49
Well 27 2/07	<0.5	72.9	72.9
Well 27 3/07	0.5	70.05	69.55
Well 5 12/04	1.56	90.44	88.88
Well 5 12/05	1.09	99.28	98.19
Well 5 12/06	0.95	99.5	98.55
Well 5 9/07	<1	96.59	96.59
Well 6 7/04	<1	10.65	10.65
Well 6 11/06	0.78	48.41	47.63
Well 6A 6/04	<0.22	27.84	27.84
Well 6A 3/07	<0.5	27.23	27.23
Well 6B 6/04	4.8	33.65	28.85
Well 6B 4/07	2.3	23.47	21.17
Well 6D 7/04	118	81.12	-36.88
Well 6D 2/07	126	70.59	-55.41
Well 6D 2/07 (pumping)	77	70.59	-6.41
Well 33 6/04	0.63J	203.12	202.49
Well 33 12/06	<0.22	412.42	412.42
Well 33 9/07	<1	318.22	318.22
Q-1840.1 4/04	0.50	0	-0.5
Q-3117.1 6/05	0.10	112.13	112.03
Q-3160.1 4/04	0.10	64.07	63.97
Q-3160.1 5/06	0.10	48.06	47.96
Q-3163.2 3/04	0.50	224.26	223.76
Q-3163.2 5/06	0.10	128.15	128.05
Q-3165.1 4/04	0.3	144.17	143.87
Q-3165.1 5/06	0.1	128.15	128.05
Q-3165.1 7/08	<0.1	96.11	96.11
Q-3629.1 6/05	1.6	0	-1.6
Q-3629.1 7/08	0.6	0	-0.6
Q-3658.1 6/05	<0.1	128.15	128.15
Q-3811.1 3/04	1.3	16.02	14.72
Q-3811.1 5/06	<0.1	176.2	176.2
Q-3813.1 3/04	0.4	0	-0.4
Q-3988.1 5/06	0.5	336.39	335.89
Q-3988.1 8/08	0.1	160.18	160.08
Residual Mean			91.1
Absolute Residual Mean			95.7
Residual Standard Deviation			96.2
Max Residual			412.42
Min. Residual			-55.41
Observed Concentration Range			126
Mean Error (%)			72.3

Figure 12
Maximum Measured MTBE Concentrations in USGS Monitoring Wells (2008)
Queens County, New York

